PPL13 PROJECT NOMINEE FACT SHEET
Updated: March 21, 2003

Project Name and Number
Oyster Bayou Terracing, 4-3

Coast 2050 Strategy
Coast-wide Strategies: Terracing; Vegetative Planting.
Regional Strategies: Dedicated dredging or beneficial use of sediment for wetland creation or protection.

Project Location
Region 4; Calcasieu-Sabine Basin; Cameron Parish; 2.5 miles west of Cameron.

Problem
Increased salinities within the project area have caused interior marsh breakup. As ponds have coalesced, water bodies have grown which exacerbated marsh breakup from wave action.

Goals
Create emergent marsh; reduce wave energy; establish submerged aquatic vegetation; increase fisheries habitat.

Proposed Solution
Construct approximately 36,000 linear feet of earthen terraces and plant with Smooth chord throughout the project area. Earthen terraces would have approximate 10' crowns with a 1:4 side slope yielding 22 net-acres above water.

Preliminary Project Benefits
Earthen terraces would have approximate 10' crowns with a 1:4 side slope yielding 22 net-acres above water. Approximately 1301 acres of marsh would be protected reducing shoreline erosion by 50-74%. The project would increase the colonization of submerged aquatic vegetation by reducing wave fetch.

Compatibility with Coast 2050 Criteria

Wetland Elevation/Sustainability
The terraces protect existing wetlands from shoreline erosion. It is expected that less than 250 acres of accreted wetlands would be sustained over the 20-year project life.

Ecosystem Influence Area
The project would benefit less than 1,000 acres of water bottoms and adjacent marsh.

Structural Framework
The project would have no effect on structural framework as defined under Coast 2050.

Infrastructure
The project would have a net positive impact on non-critical infrastructure.

Organism and Material Linkages
The project allows a natural level of exchange of organisms and materials consistent with the sustainability of the ecosystem.

Coast 2050 Habitat Objectives
Marshes in the project area are classified as brackish by Chabreck '88. The habitat objective for the majority of the ecosystem influence are is intermediate. Therefore, the project would have no effect on achieving the coast 2050 habitat objective for most of ecosystem influence area.

Project Synergy

The project would not provide a synergistic effect with other approved and/or constructed restoration projects.

Identification of Potential Issues
Pipelines and utilities and moderate operations and maintenance.

Preliminary Construction Costs
Fully funded cost range: $0 M - $5 M
$1,625,000 (construction + 25% contingency).

Preparer of Fact Sheet
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